G4S 3-Axis Handheld Gimbal

Suitable for GoPro 4/GroPro 3+/GroPro 3

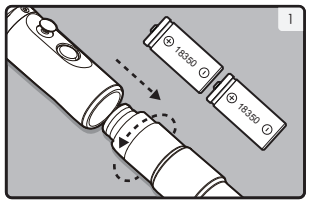
EN

Version 1.0

1 Beginner Guide

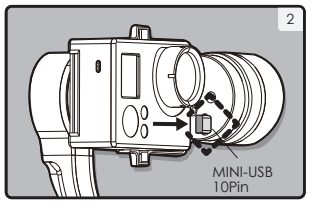
Attention !

(1) Please install the suitable camera first before power on the Gimbal.
(2) Please turn off the power when not in use.



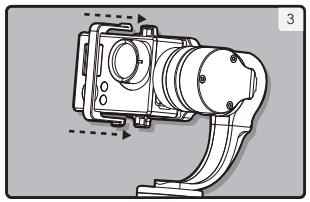
Insert The Batteries

Remove the power switch cap, insert two 18350 batteries into the handle.



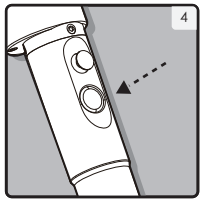
Mount the Camera

Mount the camera carefully to the mounting bracket and make sure the camera is firmly connected with the MINI-USB 10Pin



Assembly the clip

Press the clip at both ends of the clip, clip it as above picture.

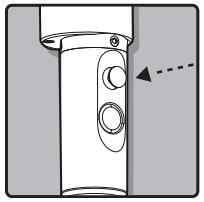


Power On / Off

Power On: Single tap the function button,the gimbal shall be powered on after 2 seconds.

Power Off: Hold down the function button for 3 seconds to turn off the gimbal.

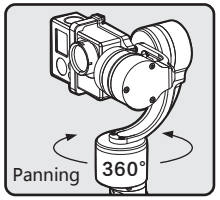
Attention: Turn the gimbal on after ensuring the camera is secure.

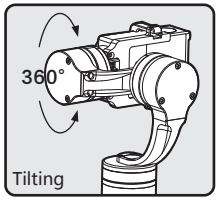


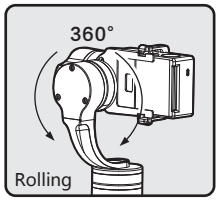
Joystick

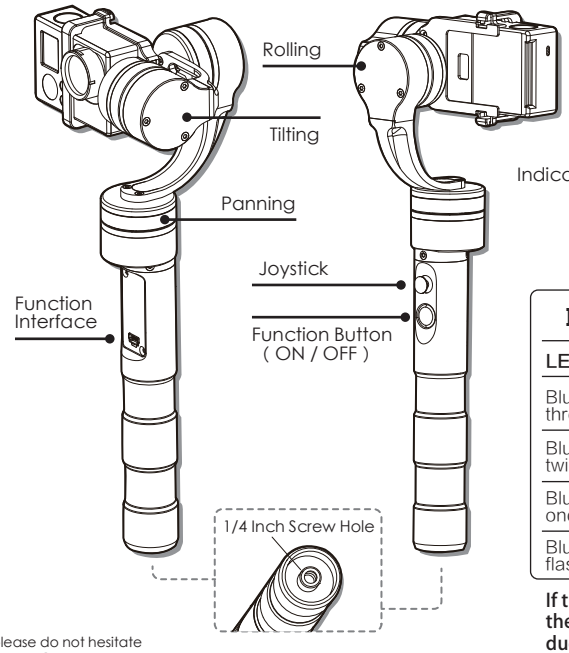
Adjust the angle of the gimbal with the joystick when the angle is locked.

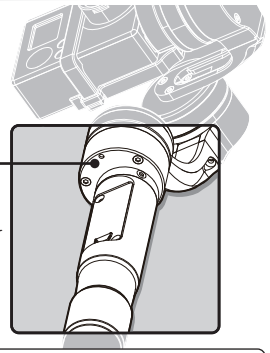
2 Product Appearance Instructions











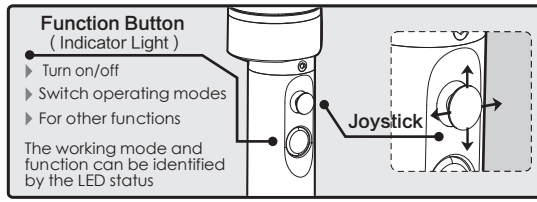
Indicator Explanation

LED Status	Explain
Blue light flashes three times	Full Power
Blue light flashes twice	Enough Power
Blue light flashes once	Low Power
Blue light keeps flashing	No Power

If the indicator light flashes red, the Gimbal will not work correctly due to an error.

If any comments or suggestions please do not hesitate to e-mail us directly : **service@feiyu-tech.com**

3 Operation Instructions



Working Mode Instructions

Panning Mode Camera is permitted to pan left or right. Vertical tilts or rolls are restricted.

Panning and Tilting Mode Camera is permitted to pan left or right and tilt up and down. Rolls are restricted.

Lock Mode Camera stays in its current orientation. All panning, tilting and rolls are restricted.

Other Function

Inversion Mode When in any working mode, press the function button for three times in succession, the Gimbal will enter into the inversion mode and switch to the Heading following mode automatically. Invert the Gimbal to capture more excited scenes easily by switching mode combination. When in inversion working condition press the function button for three times in succession to reset the Gimbal back to the original state.

Manual Pulling Locking The pitching can be adjusted 8 seconds after the Gimbal has been started. Within the Heading Follow and Heading Lock Mode the pitching can be adjusted to the desired angle manually, wait in this position up to 0.5 second until the current angle is adjusted.

Reset Reset the tilting axis of the gimbal to initial orientation and initial mode.

Standby In standby model, keep the gimbal in power-up state, the motor stops working, the indicator light flashes for three times, and single tap again to wake the gimbal.

Joystick Control

Mode	Controllable angle of joystick	Movement of joystick
Panning mode	Tilting angle	Up, Down
Panning and Tilting mode	Uncontrollable	Uncontrollable
Lock mode	Tilting and panning angle	Up, Down, Left, Right

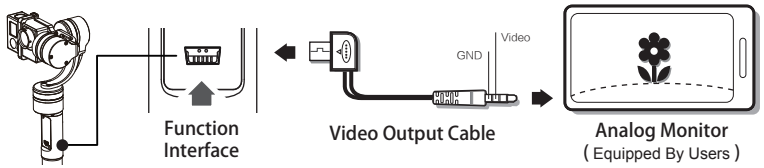
Indicator status

LED status	Mode / Status
Single flash	Panning mode
Double flashes	Panning and Tilting mode
Three flashes	Standby
Always on	Lock mode / Initialize the gimbal
Flash quickly	Rolling angle adjustment / Initialization failure / Malfunction

Operating Instructions of Function Button

Operation	Function	Explanation
Single tap	Panning Mode / Lock Mode	Single tap to switch between panning mode and lock mode
Double tap	Panning and Tilting Mode	Under panning and tilting mode, single tap to switch to lock mode
Triple tap	Inversion Mode	It is possible to switch to other modes under inversion mode, triple tap again to exit inversion mode and reset
Quadruple tap	Reset	Reset the tilting axis of the gimbal to initial orientation and initial mode.
Tap button for six times	Rolling angle adjustment	Please refer to "Gimbal Horizontal Angle Adjustment" for operations
Long press for 1 second	Standby	Single tap again to awake the gimbal, or triple tap to initialize the gimbal
Long press for 3 seconds	Power off	

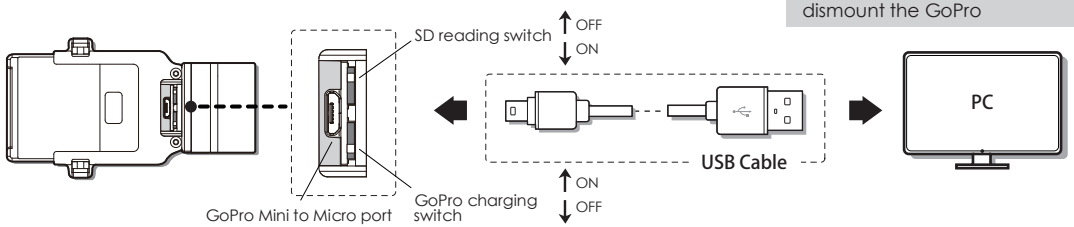
4 Video Output



When the gimbal and GoPro are powered on , connect the Analog Monitor to the function port with the Video Output Cable ,to output the video to the Analog Monitor.

5 Read the GoPro SD card and Charge the GoPro

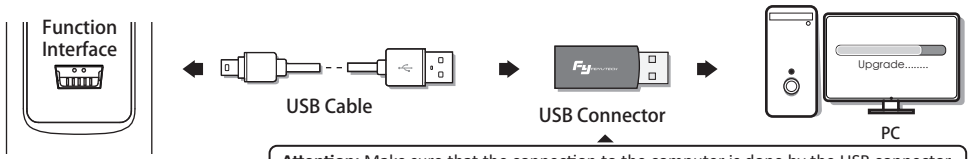
Read the GoPro SD card and Charge the GoPro without dismount the GoPro



G4S 3-Axis handheld gimbal has a mini to micro port, It can connect the GoPro with a micro usb cable. You can read the GoPro SD card and Charge the GoPro without dismount the GoPro, and it works when the gimbal is powered off.

The GoPro charging switch and the SD card reading switch works independently, and it works when the gimbal is powered off The default is off.

6 Function Interface Instructions



Attention: Make sure that the connection to the computer is done by the USB connector

Firmware Upgrade Instruction

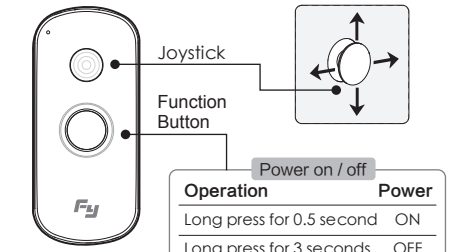
Please visit the official website of Feiyu Tech: www.feiyu-tech.com to download the USB driver, firmware upgrade software and the latest firmware then unzip the RAR file. Refer to the connection diagram to connect the gimbal with the computer.
Please refer to the manual of update operation to upgrade, otherwise the Gimbal can not work normally.
Attention : Please make sure that the connection to the computer is done by the USB connector.

Tilt and Level Calibration

The heading follow speed can be configurated through parameter setting software. Users can adjust to the desired following speed mode according to the requirements of filming scene. Three modes for optional: "SLOW" mode, "NORMAL" mode , "FAST" mode.
Default setting is "NORMAL" mode.
Attention : Please make sure that the connection to the computer is done by the USB connector.

7 Remote Control (Optional Item)

Wireless Remote Control

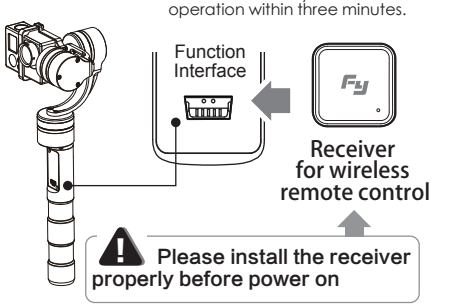


Wireless remote control

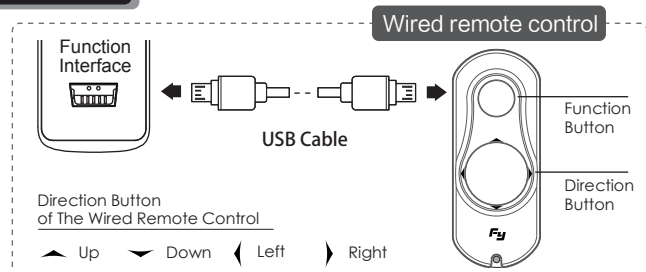
Power on / off

Operation	Power
Long press for 0.5 second	ON
Long press for 3 seconds	OFF

Tip: It will be automatically powered off to save battery if there is no operation within three minutes.



Wired remote control



Steps to connect wireless remote control:

1. Open the wireless remote control.
2. Install the receiver for wireless remote control: Insert the receiver for wireless remote control into the function port of gimbal .
3. Open the gimbal.
4. Use the wireless remote control to control the gimbal.

Charging Connect the Micro interface of wireless remote control with 5V charger by USB cable.

Remote Control Distance 15 meters in an open environment.

Match Code Keep the gimbal powered on, restart the remote control and connect the receiver of RC to the gimbal, press the remote control function button for 7 times in 5 seconds, if the indicator on the RC flashes 5 times it means the receiver and the transmitter of RC match successfully, then customer can control the gimbal by the RC.

▲ RC needs to be match code whenever the following situations:
(1) Connecting properly but still control in fail.
(2) Change the receiver or wireless remote control

Remote Control Operation Instructions

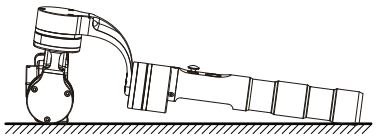
Operation	Explanation	Remark
Single Tap	【Panning Mode】/ 【Lock Mode】	Single tap to switch between panning mode and lock mode
Double Tap	【Panning and Tilting Mode】	Under panning and tilting mode, single tap to switch to lock mode
Triple Tap	Inversion Mode	It is possible to switch to other modes under inversion mode, triple tap again to exit inversion mode and reset
Quadruple Tap	Reset (Restore to the boot-up state)	Reset the tilting axis of the gimbal to initial orientatiozn and initial mode
Tap Button Six Times	Calibration Using Remote Control	Please refer to "Gimbal Horizontal Angle Adjustment" for operations
Tap Button Seven Times	Match Code Mode Wireless RC	Match code when connecting properly but still control in fail or change the receiver/wireless remote control.
Long Press For 1 Second	Standby	Single tap again to awake the gimbal, or triple tap to initialize the gimbal
Long Press For 3 Second	Turn Off The Gimbal and RC Wireless RC	

Note: The joystick and function button will be disabled after connecting with the remote control.

8 Horizontal Angle Adjustment of The Gimbal

The horizontal angle needs to be adjusted whenever the following situations happen to the gimbal, user can adjust the horizontal angle by gimbal initialization and joystick.

(1) The tilt angle is not leveled with the horizontal surface.
(2) The roll angle is not parallel to the horizontal surface.
(3) Under lock mode, the panning angle drifts.



Initialize the gimbal

Adjusting steps:

STEP 1 **Initialize the gimbal**

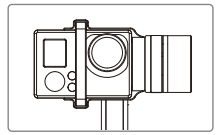
(1) After powering the gimbal on, hold down the function button for one second to enter standby mode, and the LED indicator shall flash for three times;
(2) Consecutively tap the function button for three times, LED indicator shall be always on, place the gimbal on a flat surface and keep it stationary;
(3) When the initialization is completed, the LED indicator will flash for three times. Afterward pick up the gimbal and single tap to awake the gimbal.

▲ When the initialization failed, the LED indicator will flash quickly, repeat step (2) & (3) to reinitialize.

After finished the **STEP 1** , the rolling angle still not parallel to the horizontal surface, you can use the joystick to adjust the rolling angle according to **STEP 2** .

STEP 2 **Rolling angle adjustment**

Tap button for six times for roll angle adjustment, the tilt and roll angle restore to the horizontal status. Under the roll angle adjustment state, move the joystick to the left or to the right to adjust the roll angle, single tap again to save the setting and exit after adjusting.

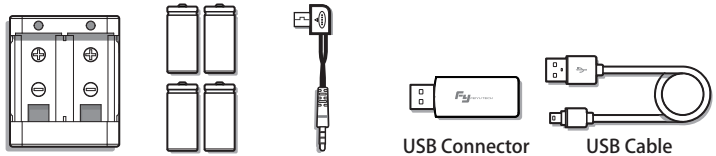


Note: Please adjust in this state

9 Specification

Vertical Tilting Angle	360°	Working Voltage	6.0 V ~ 9 V
Rolls Angle	360°	Overload Current Protection	800 mA
Horizontal Panning Angle	360°	Usage Time	3 ~ 5 Hours
Tilting Increments	2° /S ~ 75° /S	Camera	GoPro HERO4/3+/3
Panning Increments	3° /S ~ 150° /S	Weight	260 g (Without Batteries & Camera)

10 Standard And Optional Accessories



Charger
Input: DC 5V
Output: DC 4.2V

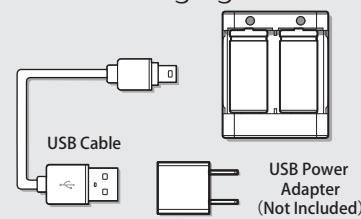
Rechargeable Battery
Type: 18350

Video Output Cable

USB Connector

USB Cable

How to charging



DISCLAIMER

G4S 3-Axis Handhled Gimbal is a feature-rich camera stabilizer, yet lightweight and portable.
It is prohibited for any user to use the gimbal for any illegal purposes. Guilin Feiyu Electronic Technology Co.,Ltd and our associates assume no liability for any accident, injury, death, loss, or other claim related to or resulting from the use of this product. In no event shall Guilin Feiyu Electronic Technology Co.,Ltd and our associates be liable for incidental or consequential damages relating to or resulting from the use of this product or any of its parts. Damage resulting from use, accident, or normal wear and tear is not covered by our warranty.
Guilin Feiyu Electronic Technology Co.,Ltd reserves the right to amend this manual and the terms and conditions of this product at any time.

ATTENTION

Please assemble the gimbal in accordance to the diagram provided .
Please upgrade the firmware and configuration settings with the provided USB data cable.
Please charge the battery with the provided battery charger.
Please install the camera securely before powering on the gimbal.
When the gimbal is not in use or placed on the table, please ensure it is powered off.

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Please visit the official website of Feiyu Tech to get related information: www.feiyu-tech.com